ABSTRACT

1   A method for promoting temporal resolution of sequential images is to firstly

2   choose a first visual frame and split it into a plurality of visual blocks according to

3   a predetermined value, then choose a second visual frame. The method then goes

4   to search the second visual frame for mostly resembling respective visual blocks

5   corresponding to every visual block in the first visual frame and estimate the vector

6   displacement of respective corresponding visual blocks of the visual frames.

7   Further, it goes to rebuild a visual frame, estimate the respective pixel values of

8   respective corresponding visual blocks of the visual frames at a time point,

9   combine the pixel values of visual blocks to create the rebuilt visual frame, apply a

10   median-value-filtering procedure upon the rebuilt visual frame, and apply a spatial

11   low-pass filtering procedure upon the rebuilt visual frame, which has undergone

12   the previous procedure.